SFUND RECORDS CTR
2381061

SITE SCREENING ASSESSMENT

Prepared by: California Department of Toxic Substances Control (DTSC)
Cooperative Agreement Number: V - 00T14601 – 0
DTSC Fiscal Year: 2013-2014

Prepared for: United States Environmental Protection Agency Region 9
Superfund Division, Site Assessment Section
San Francisco, California

Date: 6/19/14

Site Name:	**Mistras Group Inc.**				
City:	**Cudahy**		**County:**	**Los Angeles**	
DTSC Regional Office:	**Chatsworth**				
CERCLIS ID:	**CAD027897164**	**EPA ID:**	**CAD027897164**	**Envirostor ID:**	**71002336**

EXECUTIVE SUMMARY

Narrative summary of site history and recommended action:
The Mistras Group Inc. (The Site) is located at 8427 Atlantic Avenue, city of Cudahy in Los Angeles County in a predominantly commercial and industrial area. The Site was developed and founded in 1970 to provide non-destructive testing services for aerospace and automotive companies as well as foundries and forging facilities in the greater Los Angeles area. Prior to 1970, the Site was used for residential purposes.
The Site has been characterized and the soil and groundwater is contaminated with metals such as hexavalent chromium, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). Impacted concrete at the Etch Room (inside the building) and the slag containing soil outside of the building were excavated and properly disposed of at offsite facilities. Confirmation samples were collected upon the completion of the excavation activities and analyzed for metals but not for VOCs. There are evidences that the facility used VOCs before, the soil is contaminated with VOCs at the Site and the groundwater is impacted with VOCs in the area. The Site may not be the only source but they may be a contributor to the groundwater contamination in the area. DTSC recommends further investigation for the Site.

DTSC Recommendation:
Refer to: ☒ EPA ☐ CADTSC ☐ CARWQCB ☐ Local Agency ☐ No Further Action
EPA Decision:
Refer to: ☐ EPA ☐ CADTSC ☐ CARWQCB ☐ Local Agency ☐ No Further Action

Final Signatures and Concurrence

DTSC Screener:		Narine Aghakiant *Type Name*	
DTSC Approval:	*Signature*	Javier Hinojosa *Type Name*	*Date: (MM/DD/YYYY)*
EPA Concurrence:	*Signature*	Matt Mitguard *Type Name*	*Date: (MM/DD/YYYY)*
EPA Comments:			

EPA ONLY				
CERCLIS CODING:	☐ Not Valid Site	☐ Not valid Site – State Lead	☐ Preliminary Assessment Needed	☐ Other:

Section 1: Site Information

1.1 CERCLIS Site Name: Mistras Group Inc.
Aliases: General Inspection Laboratories, General Testing

1.2 Origin of Site: North-East 710 Corridor Study
Note discovery project, referral, complaint, etc.

1.3 Site Location Information

Street Address: 8427 Atlantic Avenue
City: Cudahy **County:** Los Angeles
State: California **Zip Code:** 90201
Latitude: + 33 . 9563566
Longitude: - 118 . 1843854

1.4 Regulatory Information

CERCLIS ID: Yes
RCRA ID: CAD027897164
Envirostor ID: 71002336
Geotracker ID: SL0603749673

Section 2: Operational History

Reference all factual information and attach complete and legible copies of all cited references.

2.1 Current Operation

☒ Operational facility
☐ Nonoperational
☐ Current Operators do not use CERCLA hazardous constituents

Current owner: Julie A Dykstra **Current operator:** Mistras Group Inc.
Hazardous materials used:
Hazardous materials manifested or disposed (HWTS): Alkaline Solution, Unspecified Aqueous Solution, Other Inorganic Solid Waste, Unspecified Solvent Mixture, Waste Oil and Mixed Oil, Unspecified Oil-containing Waste, Other Organic Solids, Liquids, Chromium
Dates of operation: 2009-present
Reference(s): Appendix C7-Chice Point, Appendix C5-HWTS Manifest Records

2.2 Historical owners/operators that may have used Contaminants of Concern onsite:

Owner: Julie A Dykstra **Operator:** General Testing and Inspection Laboratories
Hazardous materials used: Nitric acid, Hydrofluoric acid
Hazardous materials suspected: VOCs
Dates of operation: 2004-2009
Reference(s): Interview during site visit,Appendix C7-Choice Point

Owner: Julie A Dykstra **Operator:** GNEIL, Inc.
Hazardous materials used: Unknown
Hazardous materials suspected: Vocs
Dates of operation: 1970-2004
Reference(s): Appendix C7-Choice Point

Section 3: Site Impact Information

Reference all factual information and attach complete and legible copies of all cited references.

3.1 Land Use/Site Setting:

Check all that apply

☒ Industrial area
☒ Residential area
☐ Schools/day care centers within 200 feet
☒ Surface water within 2 miles of the site
☐ Sensitive environments or wetlands within 2 miles of site
☐ Potential source of contamination to surface water

Details, description and references: The Site is located in an industrial corridor, surrounded by residences. The Los Angeles River is located 1 mile to the east of the Site.

3.2 Surface Water

☐ Surface water used for drinking water within 15 miles of the site

- ☐ Public / commercial supply
- ☐ Private supply

Approximate number of people served by the surface water:
Details/additional information:

☐ Health advisory for consuming fish
☐ Surface water within 15 miles of the site is used for recreational or commercial fishing
☐ Surface water within 15 miles of the site provides habitat for sensitive species
☐ Site is a suspected source of surface water contamination

Details, description and references: The Los Angeles River is located within 1 mile Southwest of the Site. Surface Water in Los Angeles County is not used for drinking water purposes.

3.3 Groundwater

☒ Groundwater used for drinking water within 4 miles of site

- ☒ Public / commercial supply (approximate number of people served:)
- ☐ Private supply (approximate number of people served:)
- ☒ Groundwater within 4 miles of the site known to be contaminated with hazardous substances
  - List hazardous substances:
  - List substances that exceed drinking water standards:

☒ Site is a suspected source of groundwater contamination

SPGIT Quartile(s): Not in a SPGIT Priorty Area, adjacent to 179 area
Details, description and references: One hundred sixty seven known existing drinking water wells are located within 4 miles of the site. An additional 85 wells have been abandoned or destroyed within 4 miles for unknown reasons. DPH well histograms are provided for a nearby cross/down gradient well displaying arsenic, total chromium, hexavalent chromium, PCE and TCE impacts.
See Appendix C3 Data Package

3.4 Community Interest

☐ High level of community interest
☐ Some community interest
☒ Low/no community interest

Details, description and references:

Section 4: Site Reconnaissance

4.1 Method of Site Reconnaissance (See Attachment B):

- ☒ Onsite Visit (Date: 03/12/2014)
- ☐ Drive-by/offsite visit (Date:)
- ☒ Records/aerial photo review

4.2 Adjacent properties:

North On Atlantic LLC
South Mike Roche Inc. Petroleum Products
East Vacant lot/abandoned building
West Titan Terminal & Transport

4.3 Structures onsite (e.g. office building, paint booth, repair shop, etc.): Offices, warehouse, parking lots

4.4 Site surface description (e.g., visual staining, cracked pavement, etc.): Surface is paved and in good condition

4.5 Hazardous materials observed onsite
Materials stored:

Materials in use:

☐ N/A (records review only; see Section 2 for hazardous materials manifested/disposed)

4.6 Waste Storage and potential hazardous materials
Specify numbers, volume, and content

a) **Drums:** No Site Walk conducted, only interview.
b) **Aboveground Storage Tanks:** No Site Walk conducted, only interview.
c) **Underground Storage Tanks:** No Site Walk conducted, only interview.
d) **Clarifiers:** yes, though location unknown.
e) **Transformers potentially containing PCBs** Transformers inside facility
f) **Other:**

Section 5: Summary and Recommendations/Conclusions

Use multiple pages if needed. Include parenthetical references for all statements, and attach complete copies of references used.

5.1 Summary of Site History, Historical Releases, and Potential Releases

Describe site history, historical releases, and potential for release. Include summary of relevant sampling history detailed in Attachment E.

The Site was developed and founded in 1970 to provide non-destructive testing services for aerospace and automotive companies as well as foundries and forging facilities in the greater Los Angeles area. Prior to 1970, the Site was used for residential purposes (*Human Health Risk Assessment Report GENIL, INC. - June 2007*).

From 1970 to December 2004, the GNEIL, Inc. operated a non-destructive metal testing and treatment laboratory at the Site, testing metal parts for the aerospace, automotive, and other industries. Site operations included x-ray and photographic processing, magnetic particle inspection, ultrasonic testing, pressure testing, dye-penetrant testing, vapor degreasing, grinding, metal treatment, and wastewater treatment. In December 2004, the assets of the former GNEIL, Inc. were sold to a new operator, General Testing & Inspection (GTI). GTI operated the Site as a non-destructive testing business until October 2010. From October 2010 Mistras Group Inc. operates on the Site as testing facility.

The Site has been investigated by Earth Tech (October 2006, May 2007), and other consultants (*Dames & Moore, 1996; ENVIRON, 2001; Atkins Environmental, 2002; ENV America, 2004, 2005; and Kleinfelder, 2004*).

Based on these investigations, metals such as hexavalent chromium, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) were detected in groundwater and soil at the Site. As a follow-up to the recommendations included in the Earth Tech report (*October 2006*), impacted concrete at the Etch Room (inside the building) and the slag containing soil outside of the building were excavated and properly disposed of at offsite facilities.

Confirmation samples were collected upon the completion of the excavation activities and analyzed for metals. The concentrations of metals in the confirmation samples were similar to the background levels.

The current operator still conducts non-destructive testing and operations have not changed.

On Atlantic LLC located north of the Site also has an issue with VOCs in groundwater and notifying RWQCB by letter that considering the groundwater flow direction, Mistras Group Inc. is the reason for the groundwater contamination in the area.

5.2 Regulatory Involvement

Provide detailed description of historical and/or ongoing regulatory involvement. Identify current lead agency.

The Site has been investigated by several consultants in the past (*Dames & Moore, 1996; ENVIRON, 2001; Atkins Environmental, 2002; ENV America, 2004 and 2005; and Kleinfelder, 2004*).

The Site was first authorized in 1993 by DTSC to treat its hazardous waste under a Permit-By-Rule authorization. A Tiered Permit Phase I Environmental

Assessment Checklist (Phase I Checklist) was submitted on December 27, 1996 to DTSC. The Phase I Checklist indicated No Further Investigation necessary at that time. On February 27, 2004, DTSC conducted a Phase I verification site inspection and concluded that further investigation was necessary at the site. Prior soil and groundwater investigation from 1996 to 2004 at the site revealed that the subsurface soil and the groundwater at the site are contaminated with VOCs. On September 20, 2004, DTSC issued a Corrective Action Consent Agreement to oversee the further investigation at the site.

On October 22, 2008 DTSC sent a letter to the Site mentioning that DTSC accepts the findings and conclusion of the Human Health Risk Assessment report prepared on October 2008. According to the report there is no risk associated to human health and the environment at the Site as long as the Site is used for commercial/industrial purposes. However, a Land Use Covenant (LUC) restricting the Site to industrial/commercial use will be required.
DTSC approved the corrective measures proposal presented to the department on November 2008. According to the proposal, Institutional Control has been recommended for the Site. LUC has been prepared by DTSC but the responsible party refused to sign it.

5.3 Recommendation/conclusion

Describe proposed follow-up actions and recommended lead agency. If no further action is recommended, describe reasons.

The Site has been characterized and the soil and groundwater is contaminated with metals such as hexavalent chromium, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). Impacted concrete at the Etch Room (inside the building) and the slag containing soil outside of the building were excavated and properly disposed of at offsite facilities. Confirmation samples were collected upon the completion of the excavation activities and analyzed for metals but not for VOCs. There are evidences that the facility used VOCs before, the soil is contaminated with VOCs at the Site and the groundwater is impacted with VOCs in the area. The Site may not be the only source but they may be a contributor to the groundwater contamination in the area. DTSC recommends further investigation for the Site.

ATTACHMENT A: Site Screening Contact Report

Provide detailed description of conversations. Attach complete copies of any documents provided by the contact. Use as many pages as necessary to report all contacts.

Contact Name:	**William Byrd**
Affiliation:	**Maintenance Manager**
Telephone Number:	**(323)583-1653**
Date(s) of contact:	**3/10/2014**
Discussion:	

Contact Name:	**Yvette Caldero**
Affiliation:	**Los Angeles County Fire Department**
Telephone Number:	**(323)890-7806**
Date(s) of contact:	**4/9/2014**
Discussion:	

Contact Name:	
Affiliation:	
Telephone Number:	
Date(s) of contact:	
Discussion:	

ATTACHMENT B: Site Reconnaissance Report

Include photos and a site layout map showing features described in Sections 4.2-4.5.

ATACHMENT C: ATTACHMENT INDEX

Attachment #	Document Title	Date
Appendix C1	Air Photograph	
Appendix C2	Site Map	
Appendix C3	Data Package	
Appendix C4	Well Histograms	
Appendix C5	HWTS Manifest Records	
Appendix C6	Los Angeles County Fire Department	
Appendix C7	Choice Point	
Appendix C8	Revised Supplemental Health Risk Assessment-October 2008	
Appendix C9	Corrective Measures Proposal November 2008	
Appendix C10	Phase 1 Environmental Site Assessment Inspection for Textron Fastening Systems February 27, 2004	

ATTACHMENT D: SITE TYPE – PRIMARY/SECONDARY ACTIVITY FORM

Fed Facility Indicator: Fac ☐ Federal Facility ☒ Not A Federal Facility ☐ Status Undetermined

RCRA Status: ☐ Generator ☐ TSDF ☐ Transporter ☐ Not listed in RCRIS

SITE TYPES **(Designate one dominant primary category (*PC*). Designate all secondary subcategories (*SS*) that apply.) Site type designations for both primary & secondary should pertain to the operation(s) on site of environmental consequence.**

		Manufacturing/Processing/Maintenance
		(Subcategory)
☐	☐	Chemicals and allied products
☐	☐	Coal gasification
☐	☐	Coke production
☐	☐	Electric power generation and distribution
☐	☐	Electronic/electrical equipment
☐	☐	Fabrics/textiles
☐	☐	Lumber and wood products/pulp and paper
☐	☐	Lumber and wood products/wood preserving/treatment
☐	☐	Metal fabrication/finishing/coating and allied industries
☐	☐	Oil and gas
☐	☐	Ordnance production
☐	☐	Plastics and rubber products
☐	☐	Primary metals/minerals processing
☐	☐	Radioactive products
☐	☐	Tanneries
☐	☐	Trucks/ships/trains/aircraft and related components

		Waste Management
		(Subcategory)
☐	☐	Radioactive waste treatment, storage, disposal
☐	☐	Municipal solid waste landfill
☐	☐	Mine tailings disposal
☐	☐	Industrial waste landfill
☐	☐	Industrial waste facility (non generator)
☐	☐	Illegal disposal/open dump
☐	☐	Co-disposal landfill (municipal and industrial)

		Other
		(Subcategory)
☐	☐	Agricultural
☐	☐	Contaminated sediment site with no identifiable source
☐	☐	Dust control
☐	☐	Ground water plume site with no identifiable source
☐	☐	Military/other ordinance
☐	☐	Product storage/distribution
☒	☐	Research, development, and testing facility
☐	☐	Retail/commercial
☐	☐	Spill or other one time event
☐	☐	Transportation (e.g. railroad yards, airports, barge docking site
☐	☐	Treatment works/septic tanks/other sewage treatment

P C	*S S*	**Mining**
		(Subcategory)
☐	☐	Coal
☐	☐	Metals
☐	☐	Non-metals minerals
☐	☐	Oil and gas

		Recycling
		(Subcategory)
☐	☐	Automobiles/tires
☐	☐	Batteries/scrap metals/secondary smelting/precious metal recovery
☐	☐	Chemicals/chemicals waste (e.g. solvent recovery)
☐	☐	Drums/tanks
☐	☐	Waste/used oil

SITE TYPES **(Designate one dominant primary category (*PC*). Designate all secondary subcategories (*SS*) that apply.)**

ATTACHMENT E: SITE SCREENING ASSESSMENT SAMPLING EVENT SUMMARY TABLE					
Date	**Event**	**Lead Agency**	**Main Contaminants Detected** (include only CERCLA-eligible hazardous substances)	**Notes/Description**	**Reference**

Acronym List
(Modify as needed)

µg/L	micrograms per liter
bgs	below ground surface
AST	Aboveground Storage Tank
CADTSC	California Environmental Protection Agency, Department of Toxic Substances Control
CARWQCB	California Environmental Protection Agency, Regional Water Quality Control Board
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CUPA	Certified Unified Program Agency
EPA	U. S. Environmental Protection Agency
LUST	Leaking Underground Storage Tank
NPL	National Priorities List
PA	Preliminary Assessment
RCRA	Resource Conservation and Recovery Act
RCRAInfo	Resource Conservation and Recovery Information System
SI	Site Investigation
UST	Underground Storage Tank